

nous and hermaphrodite glands have networks of oval and round meshes. The eye and the ganglia of *Helix* present numerous vascular rings united by anastomoses.

Although the researches of M. Wedl have been confined to a small number of species, they suffice, however, to show that the doctrines taught by M. Milne-Edwards with regard to the circulation of the Mollusca will not hold good of all animals of this class*.—*Sitzungsber. Akad. Wiss. Wien*, 1868, ii. ; *Bibl. Univ.* September 15, 1869, *Bull. Sci.* pp. 76–80.

Discovery of New and Rare Fossils in the Marl-Slate of Midderidge.

To the Editors of the Annals and Magazine of Natural History.

GENTLEMEN,—Will you allow me a line in the next Number of the ‘Annals’ to record the discovery, by Joseph Duff, Esq., of the following interesting species in the Marl-Slate of Midderidge? viz. :—two specimens of *Proterosaurus Speneri*; a specimen of a large reptile of undetermined genus and species; several examples of *Dorypterus Hoffmanni*, Germar; four groups of the palatal teeth of *Janassa bituminosa*, Schloth., sp.; a specimen of *Acrolepis ewsculptus*, Münst.; and the head and teeth, up to the present time unknown, of *Acrolepis Sedgwickii*, Ag., and *Cœlacanthus granulatus*, Ag.

With these remarkable novelties were associated numerous remains of the fishes and plants already figured and described in English works, and some additional forms of plants not hitherto announced from the Marl-Slate of England. All these will from time to time be described in detail in the pages of the ‘Annals.’

I remain, Gentlemen,

Yours truly,

RICHARD HOWSE.

17 Saville Row, Newcastle-upon-Tyne.

October 25, 1869.

* Without disparaging the importance of the discovery made by M. Wedl of the numerous capillary networks in the Gasteropods, we do not think that the non-existence of vast blood-sinuses, or especially the absence of communication of the vascular system with the exterior world in these animals, necessarily follows therefrom. Quite recently we have ourselves examined the communication of the pericardiac sinus with the exterior by means of the excretory organ in *Phyllirhoë*, and we do not think that the existence of this communication can be for one instant doubted. This also applies to an analogous arrangement described in the Pteropoda by M. Gegenbaur and other authors, &c. &c.—E. CLAPARÈDE.